

LAND APPLICATION OF BIOSOLIDS SITE INSPECTION FORM

GENERAL INFORMATION:			Date: 8 June 2004			
County: Amelia		Contractor/Municipality: Synagro, Inc.				
Name (Owner/Operator): Barnard						
Inspected by: Charlie Swanson						
Others present: none						
FIELD DATA/OBSERVATIONS:			Time: 1:00 p.m.			
Weather: Sunny, 90s, hot, high humidity			Soil conditions: ok			
Biosolids source: Washington, D.C.			Biosolids type: lime stabilized			
Application rate WT/ac: ~70% PAN						
Crop and expected yield: pasture						
BIOSOLIDS APPLIED:		<input type="checkbox"/> Liquid		<input checked="" type="checkbox"/> Dewatered		
MODE OF APPLICATION:		<input checked="" type="checkbox"/> Surface		<input type="checkbox"/> Surface w/incorporation		
				<input type="checkbox"/> Injection		
APPLICATION LIMITED BY:		<input checked="" type="checkbox"/> Nitrogen		<input type="checkbox"/> pH		
				<input type="checkbox"/> Metals		
		<input type="checkbox"/> Max. hydraulic loading (liquid biosolids)				
		<input type="checkbox"/> Max. solids loading (15 dry tons/acre)				
		<input type="checkbox"/> Other (specify):				
FIELD OBSERVATIONS					YES	NO
Buffers observed:					XX	
Uniform application:					XX	
Proper field records:					XX	
Signs of runoff:						XX
Trucks non-spill/watertight: not observed						
Condition of haul route satisfactory:					XX	
ODORS PRESENT:		<input checked="" type="checkbox"/> None		<input type="checkbox"/> Normal		<input type="checkbox"/> Above normal*
If yes, type	<input type="checkbox"/> Lime	<input type="checkbox"/> Ammonia	<input type="checkbox"/> Sulfides	<input type="checkbox"/> Septic	<input type="checkbox"/> Other	
OVERALL CONDITION OF SITE:			<input checked="" type="checkbox"/> Good		<input type="checkbox"/> Fair	
					<input type="checkbox"/> Poor	

**LAND APPLICATION OF BIOSOLIDS
SITE INSPECTION FORM (Cont.)**

<u>COMMENTS:</u> (*explain):	<p>Dr. Cal Sawyer received a complaint that Synagro's land application operations may be causing a vector attraction problem by somehow creating a mealworm problem at nearby homes.</p> <p>Mr. Swanson arrived at the complainant's home at about 1:00 pm on June 8, 2004, but no-one was at home. Mr. Swanson left a voice message on the complainant's telephone answering machine and visited the adjoining farm operation involving biosolids spread on a pasture that was on a dirt road (you enter the farm operation beside a electric substation). The pastures are about 900 yards (estimate) from the complainant's home. The pastures had been spread with Blue Plains lime stabilized biosolids. The operation was complete and Mr. Swanson observed that the fields were in compliance and no odors were present. Mr. Swanson also visited a pasture that had been spread down Route 666 which is also a considerable distance away from the complainant's home. This field had also been completed and appeared to be in compliance. Mr. Ray York, the local biosolids monitor was contacted, but was convalescing from a recent arm operation, however he agreed to contact the complainant at a later date.</p> <p>The literature supplied to Mr. Swanson by VDH's State Entomologist indicates that mealworm larvae mature in stored food products such as flours and grains. There was no mention in the literature that pre-limed organic material such as biosolids could serve as a breeding ground. It may be possible that stockpiles of poultry liter could harbor the larvae, which may exist for up to 2 years before maturing as a larvae beetle.</p>
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Amelia County –Ray York
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Ms. Rebecca Kearney